

FIGURE 1

B-Subunit

| | |
|-------|--|
| Cowda | <pre> 1 AQSLSFSTKFDPNQEDLIFQGATSS.....KLD SAGNPVSSAGR V 42 1 AQSLSFSTKFDPNQEDLIFQGHATSTNNVLQVTKLDSAGNPVSSAGR V 50 </pre> |
| FRIL | |

α-Subunit

FIGURE 2

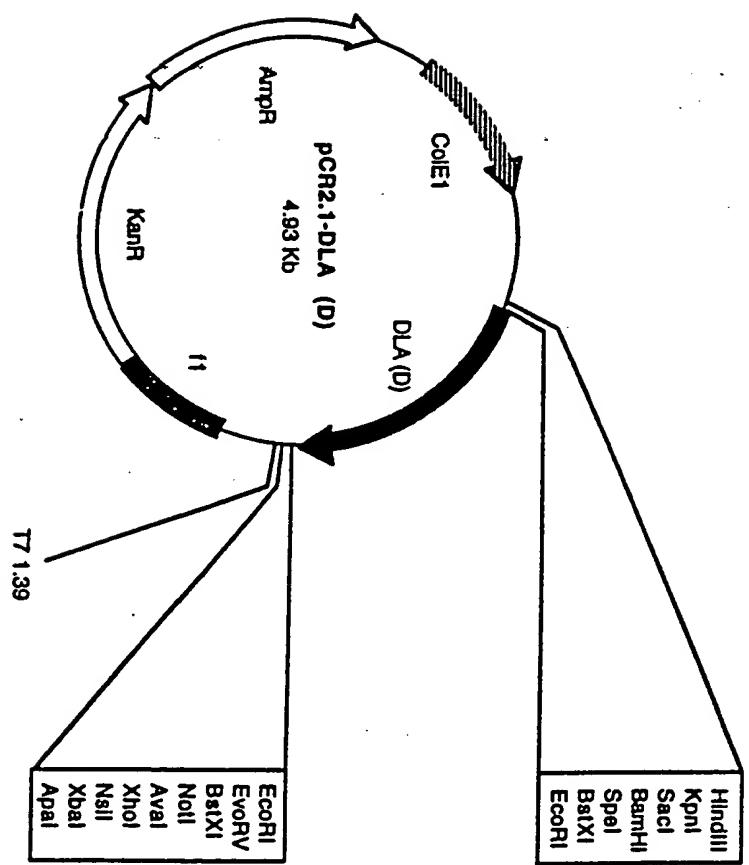
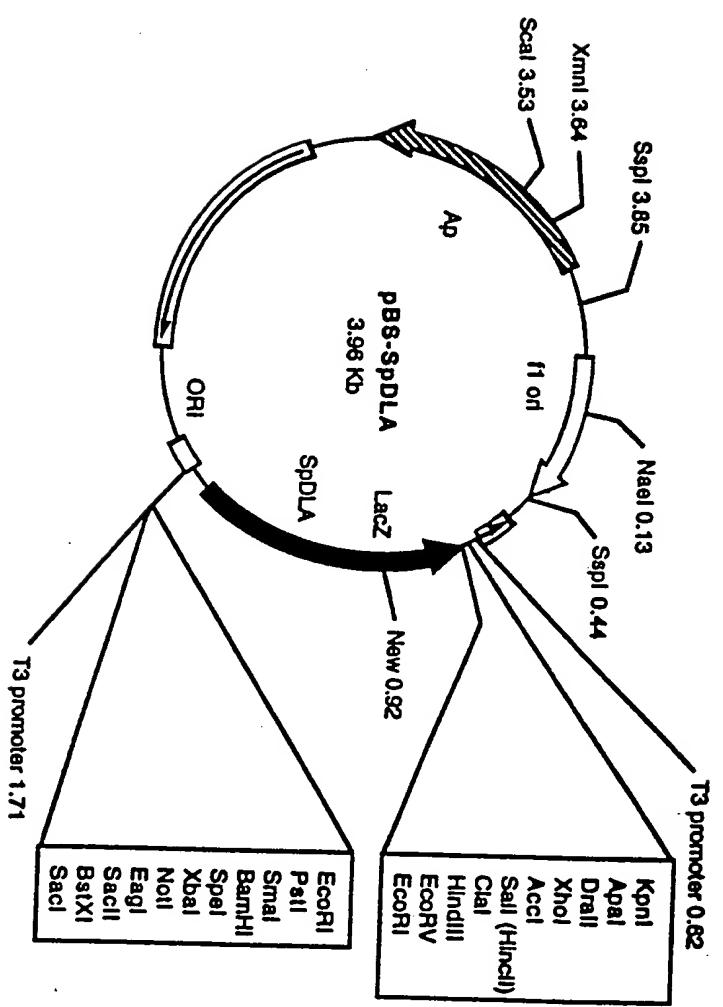


FIGURE 3



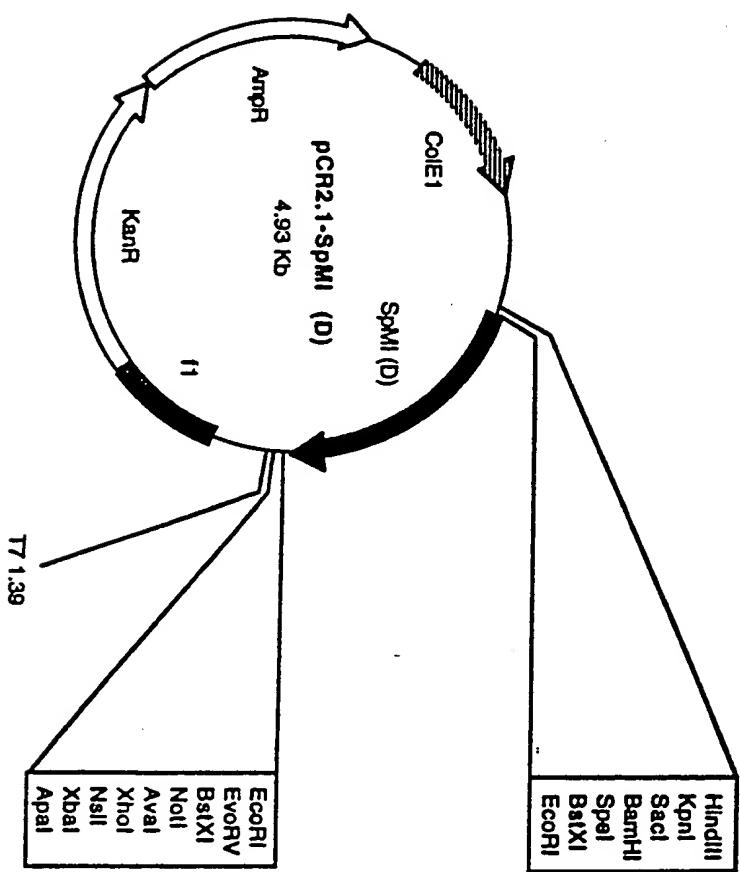
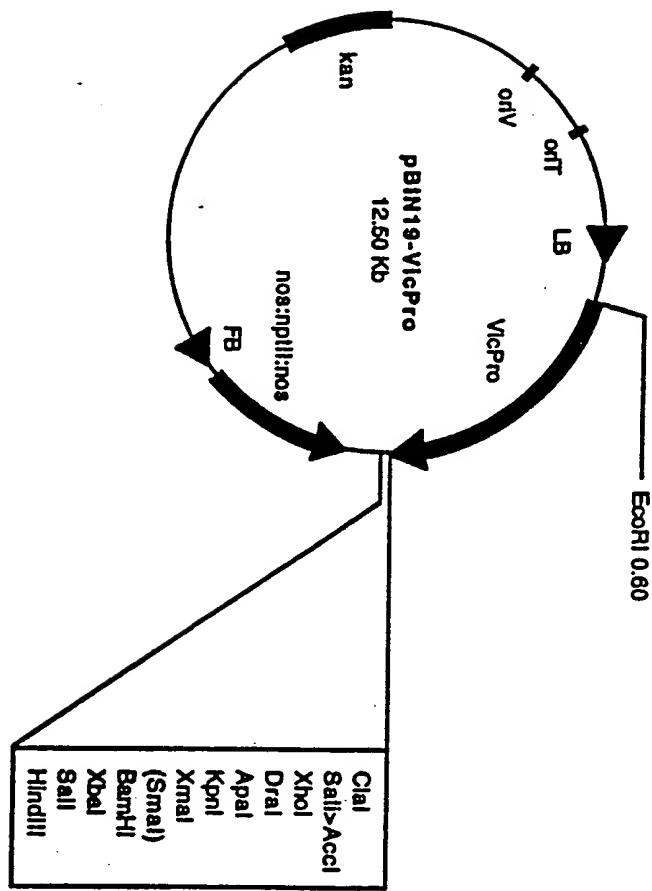


FIGURE 5

FIGURE 6



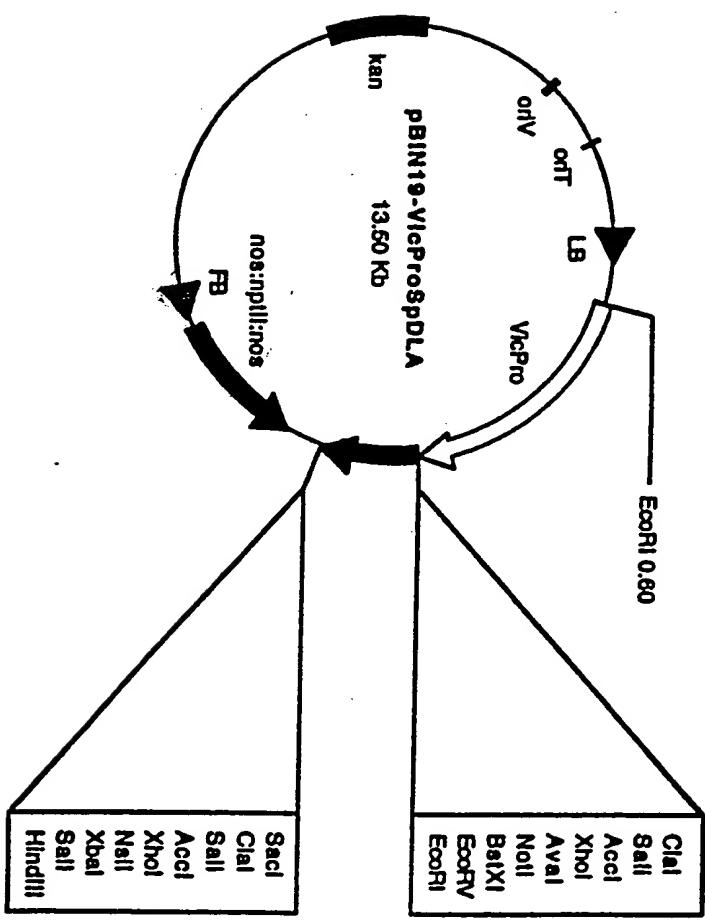


FIGURE 7

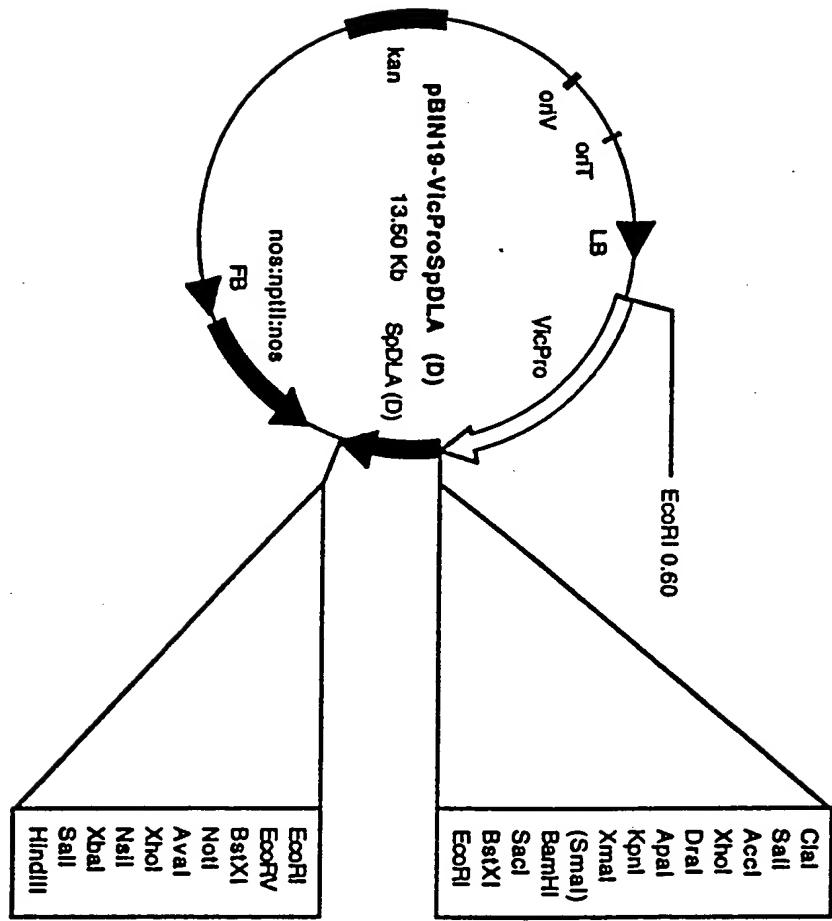


FIGURE 8

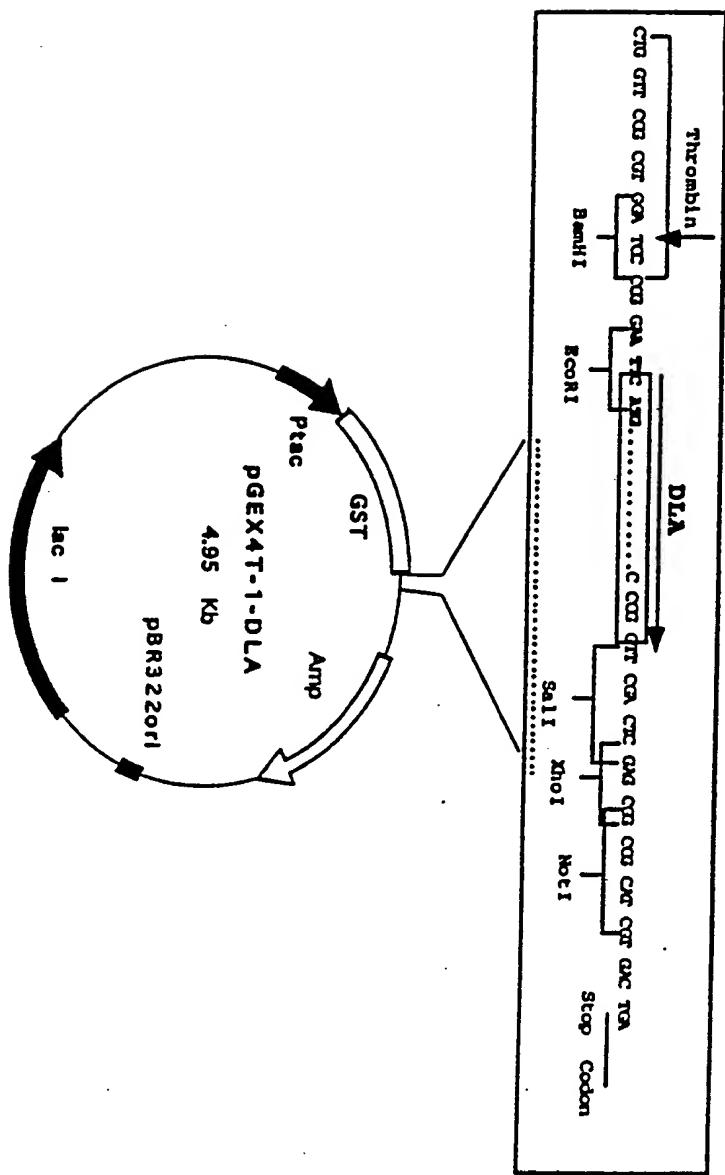


FIGURE 9

FIGURE 10

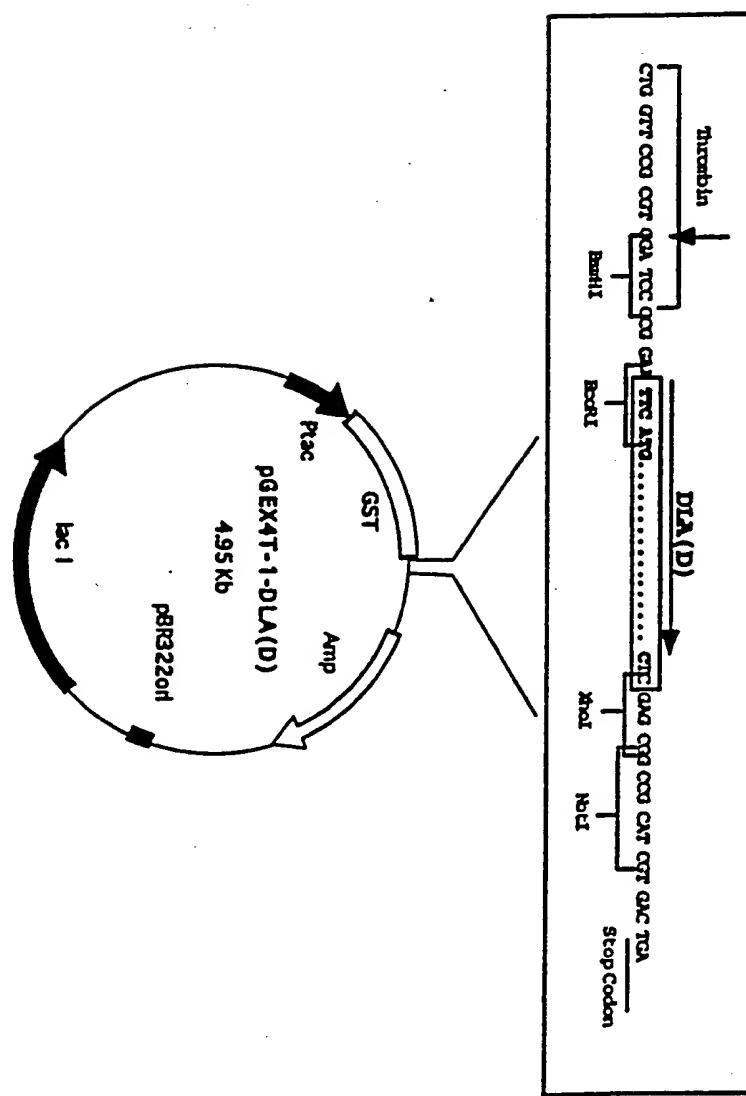
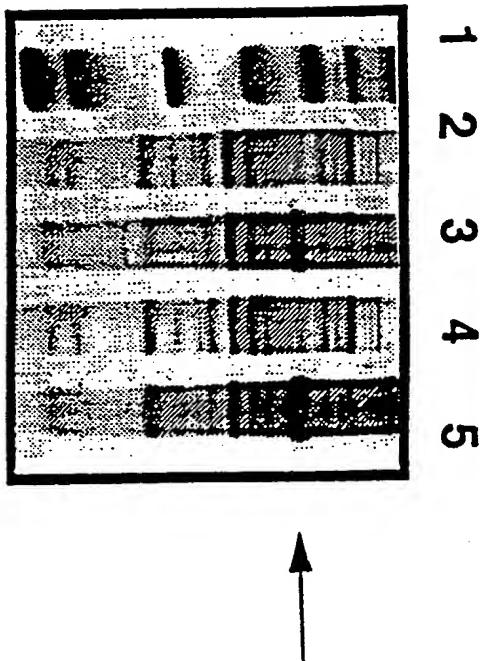


FIGURE 11



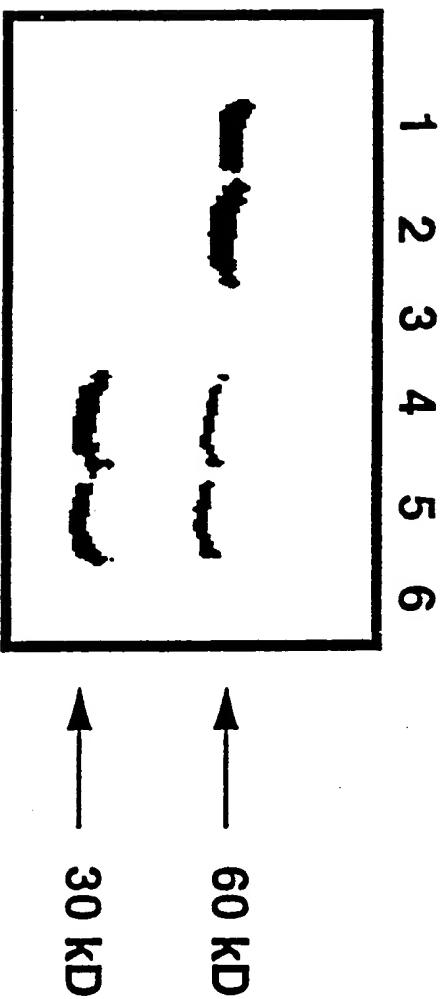
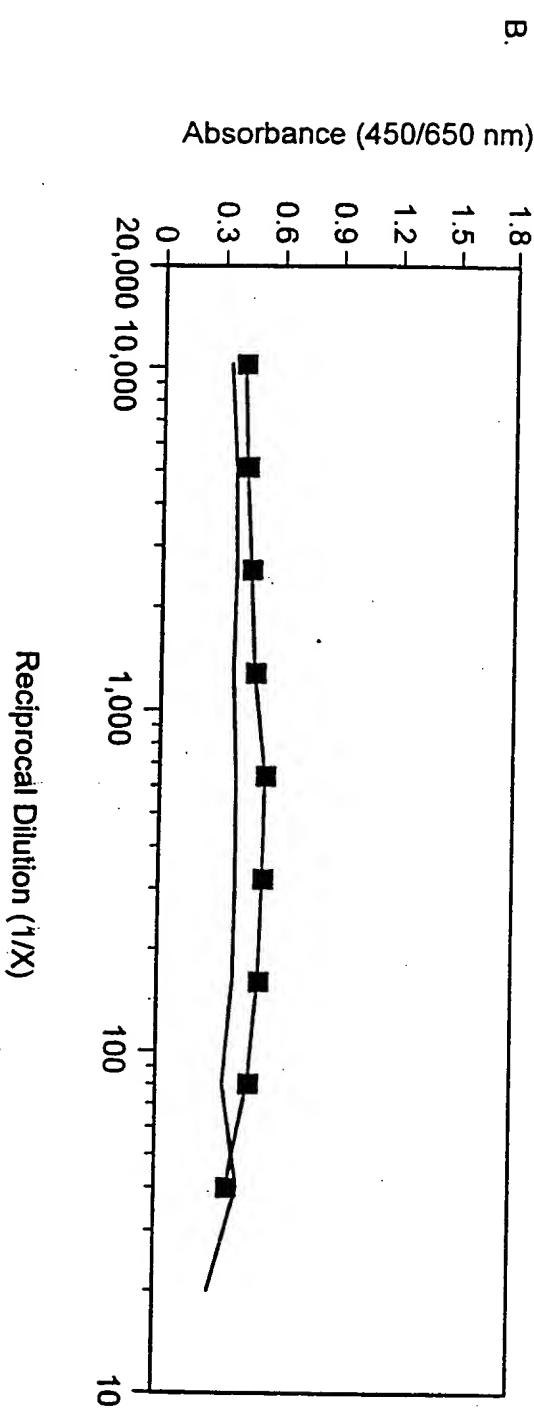
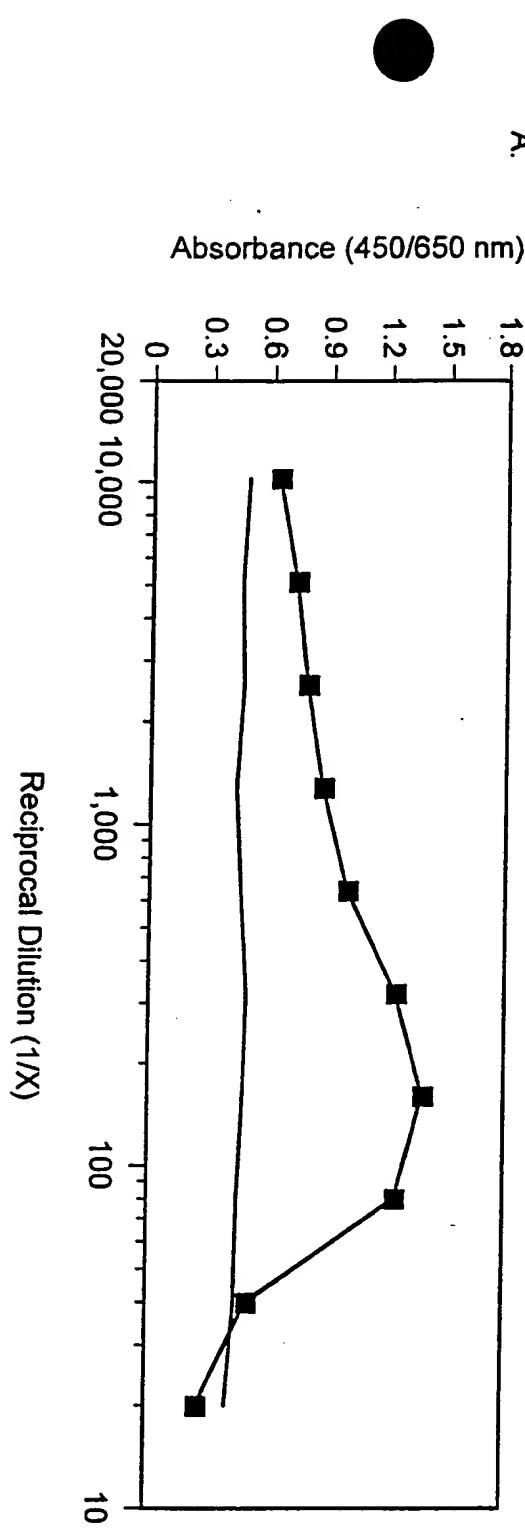
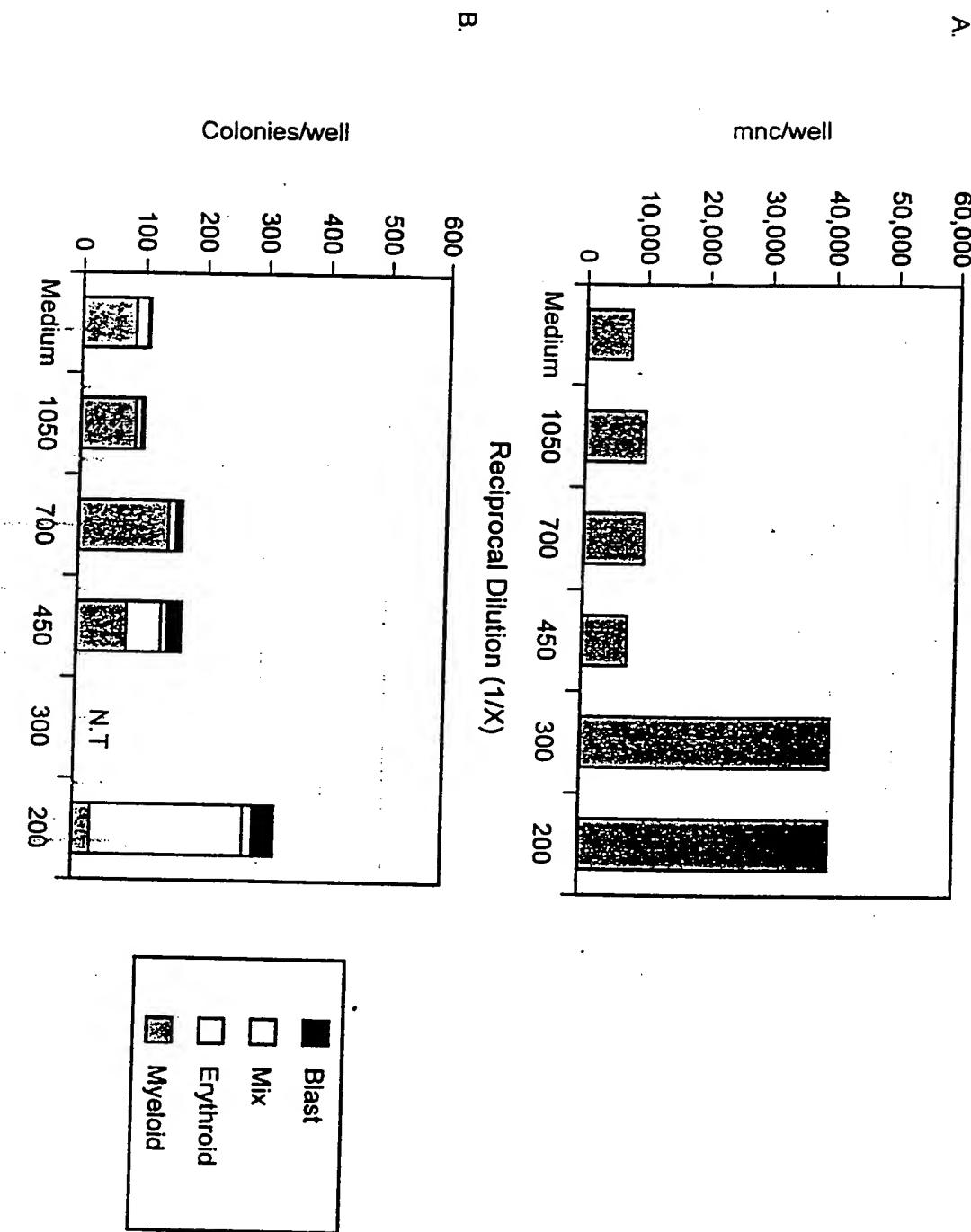


FIGURE 12

Figures 13A and 13B



Figures 14A and 14B



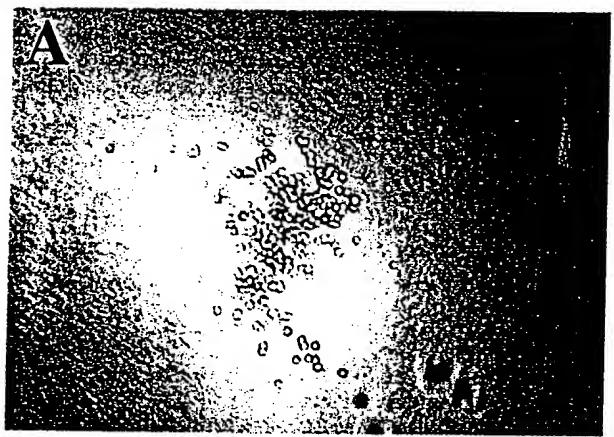


Figure 15A



Figure 15B

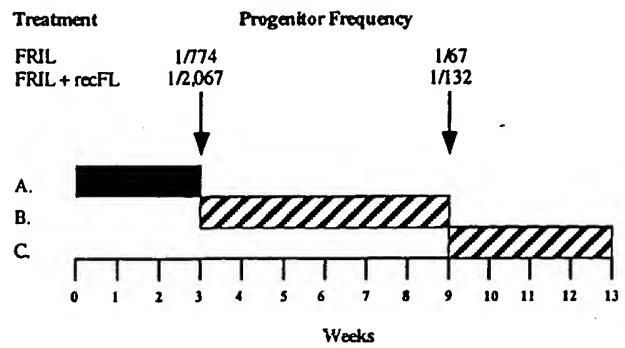


Figure 16

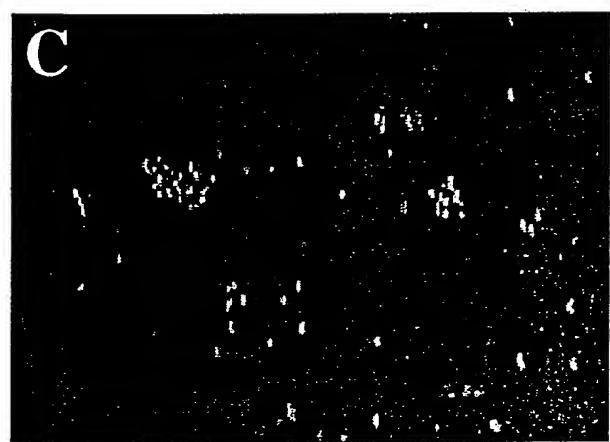
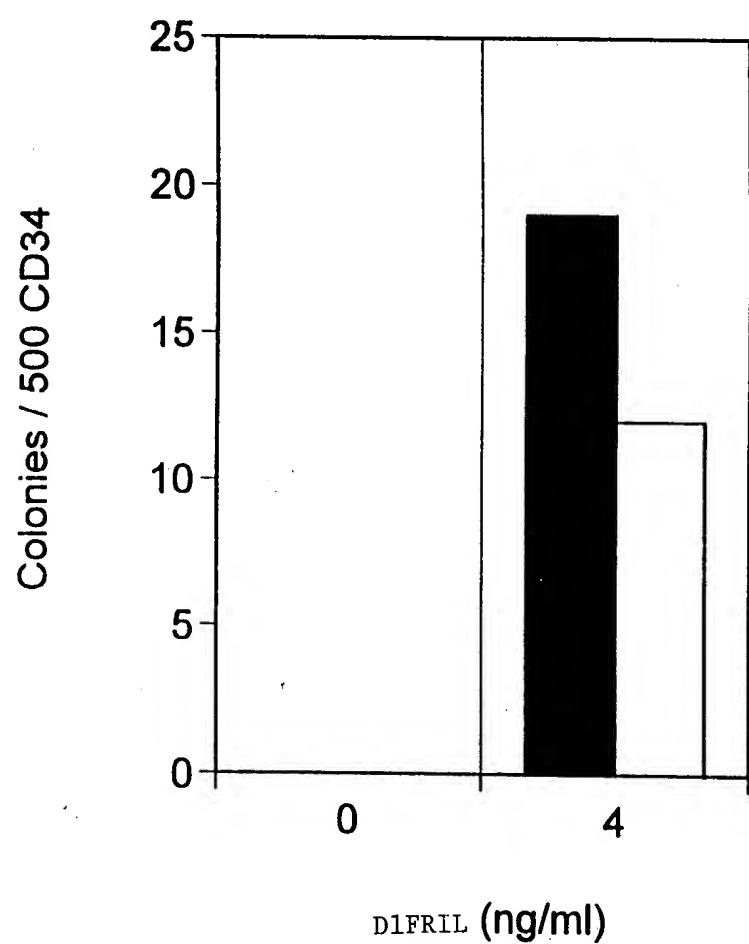


Figure 17

Figure 18



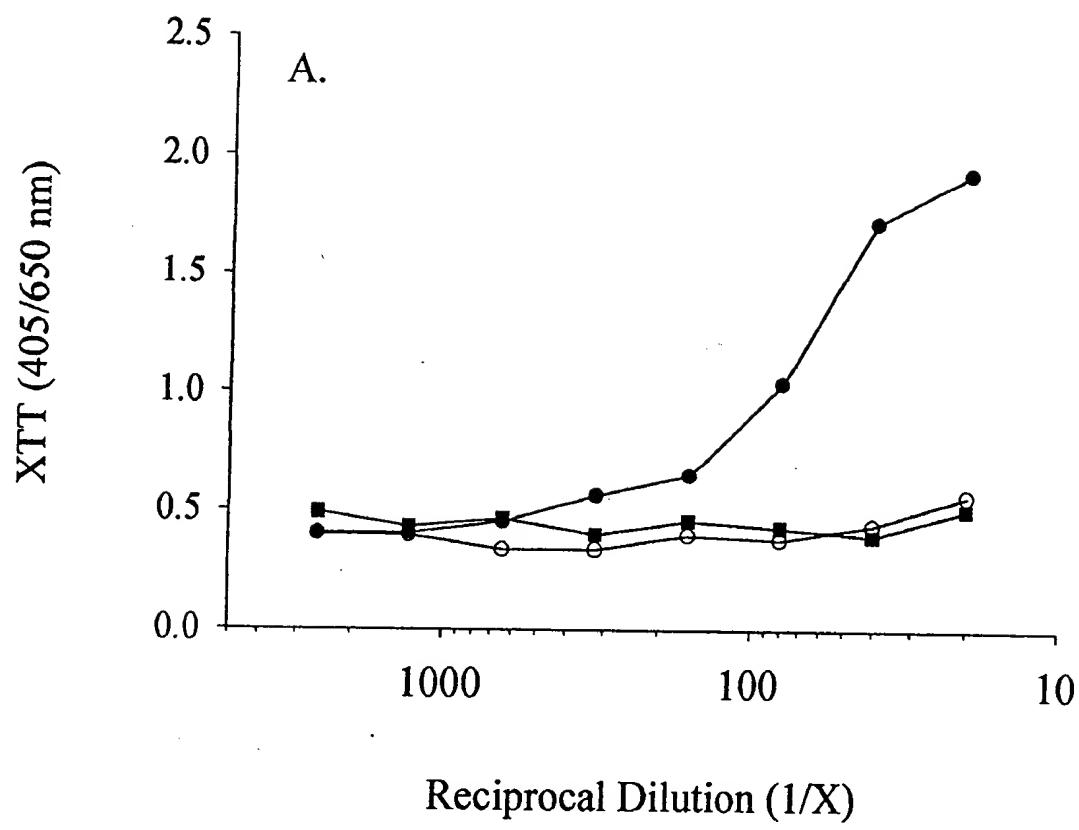


Figure 19A

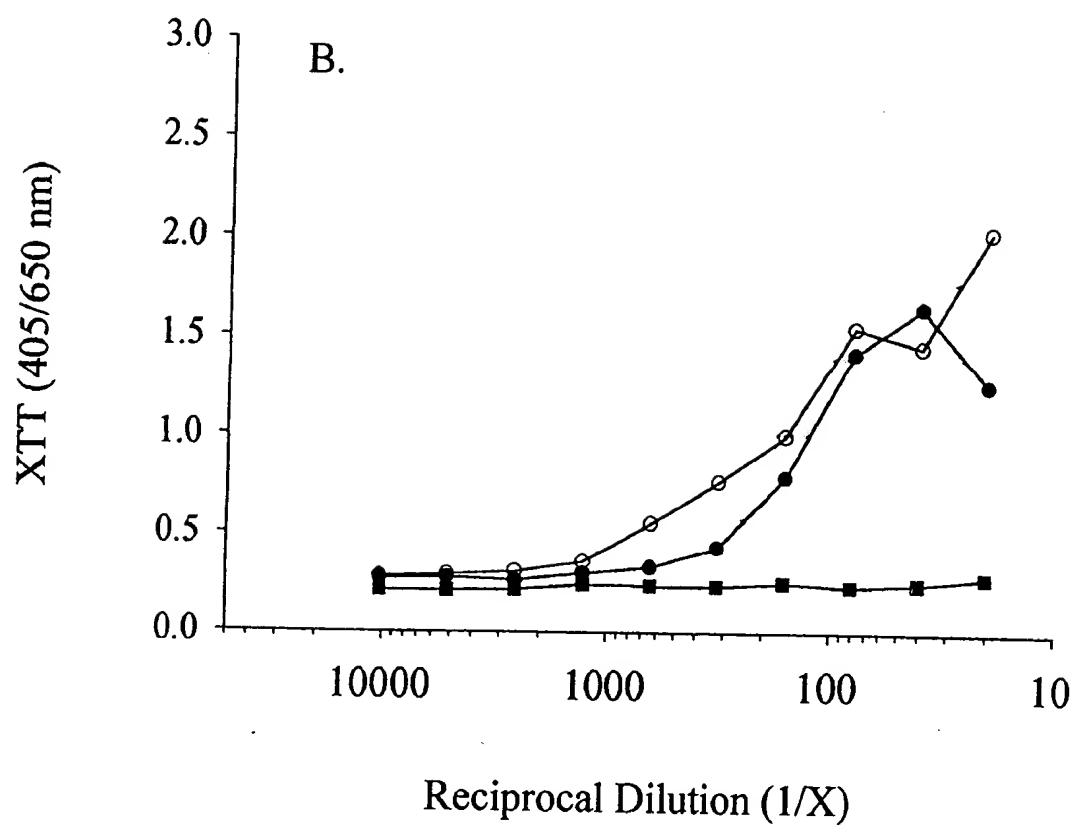
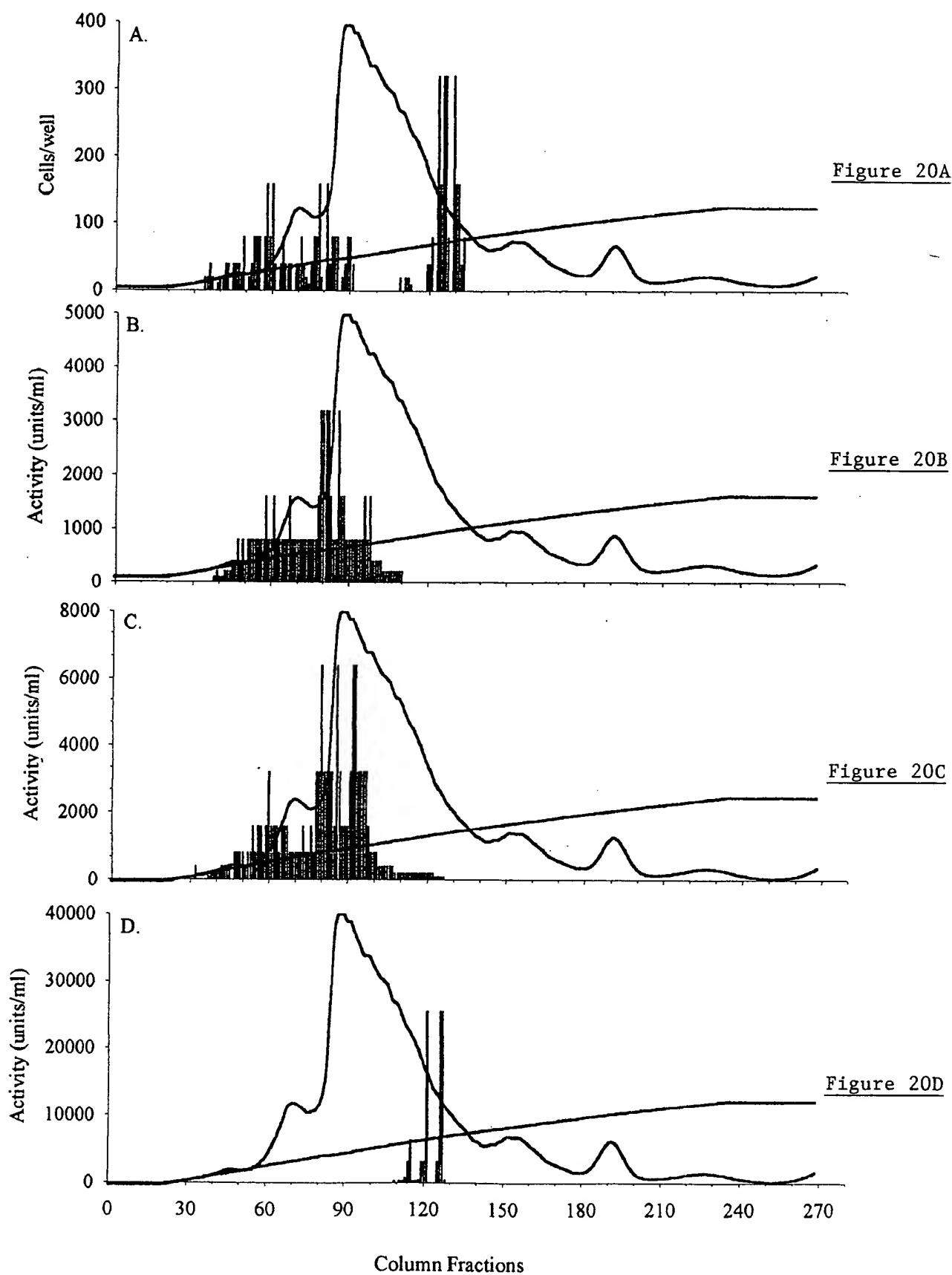


Figure 19B



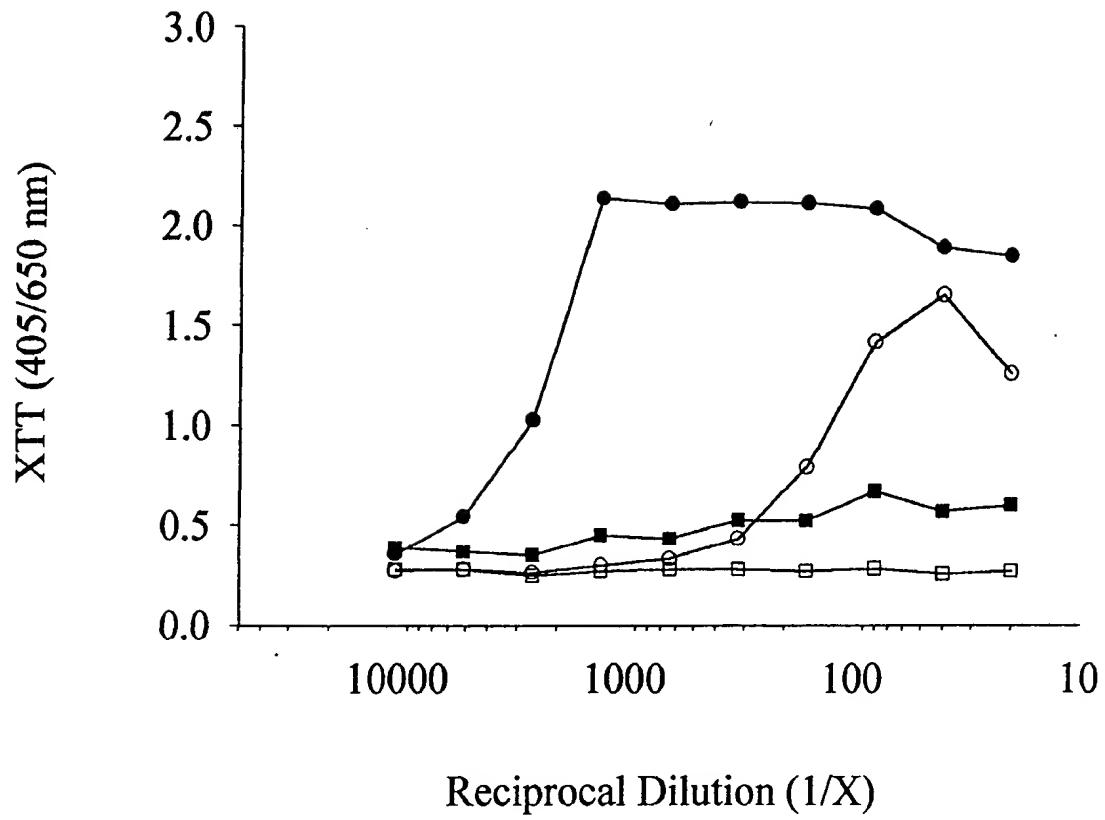


Figure 21A

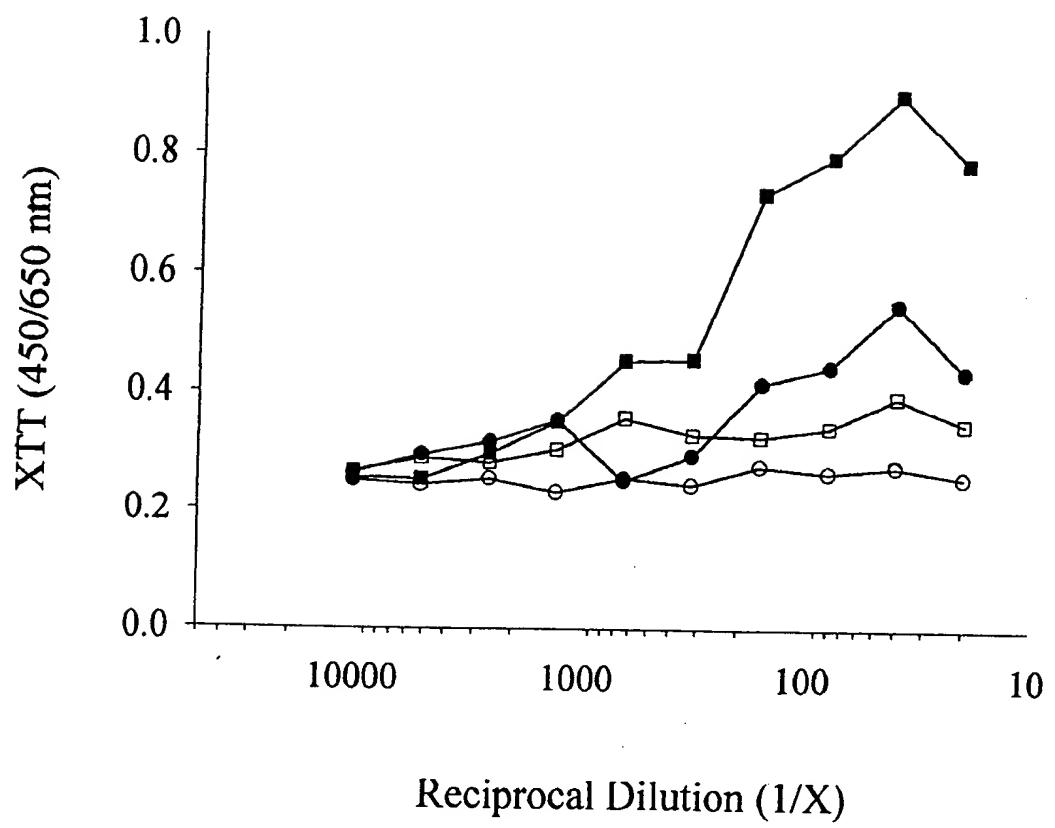


Figure 21B

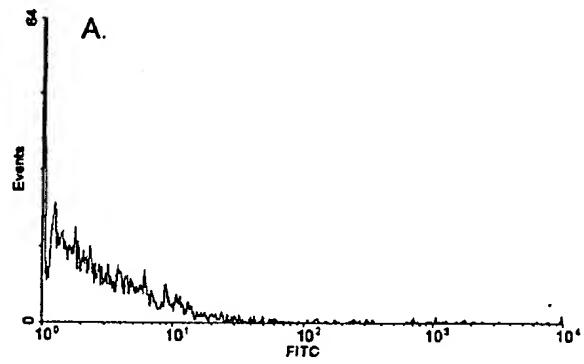


Figure 22A

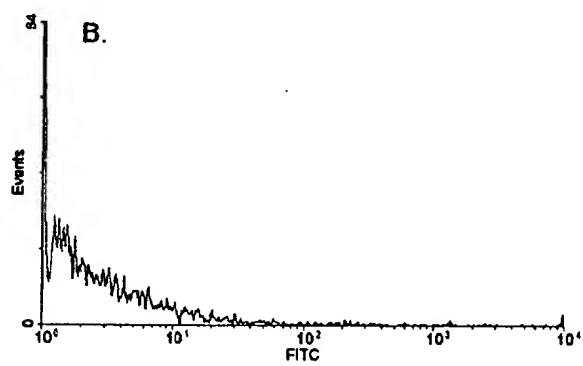


Figure 22B

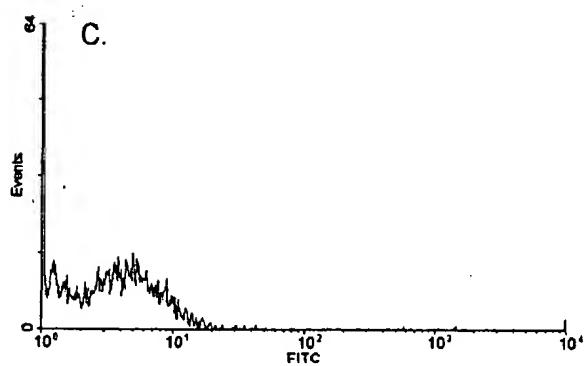


Figure 22C

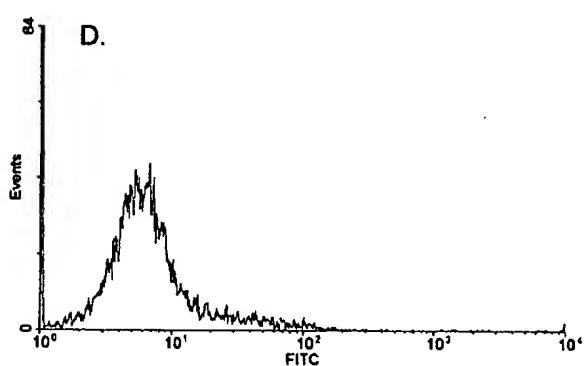


Figure 22D

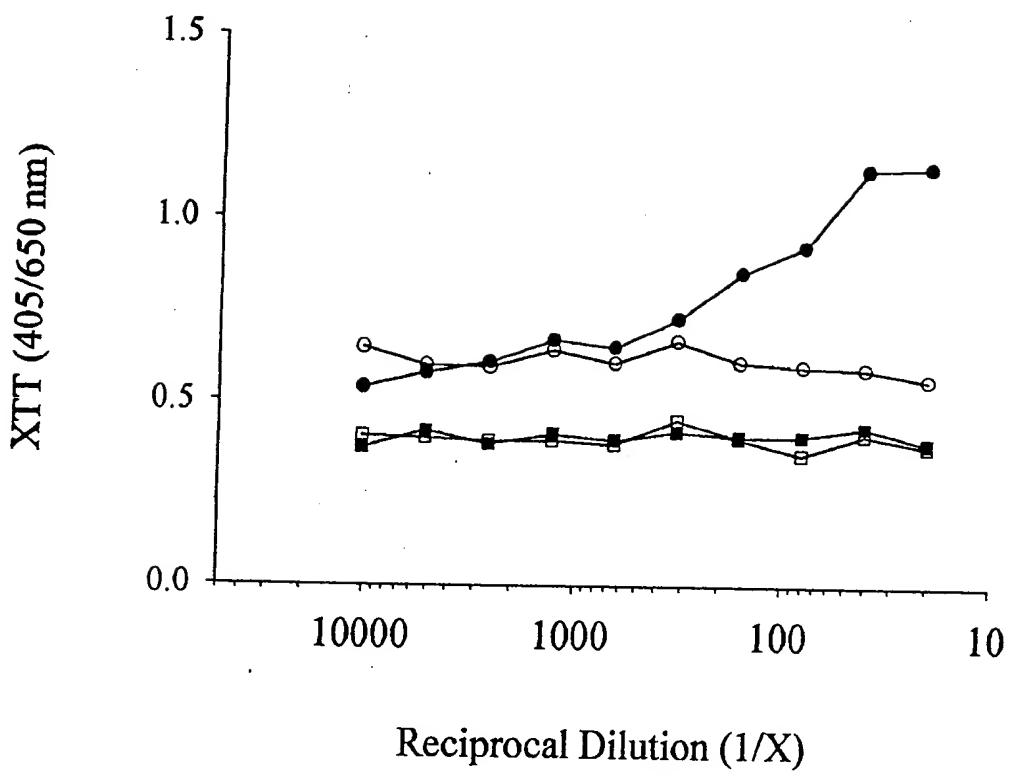


Figure 23

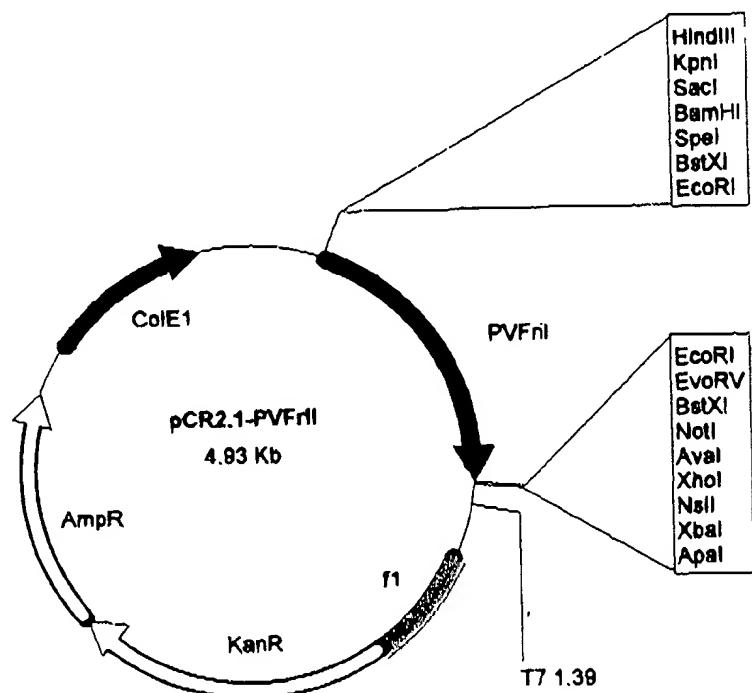


Figure 24A

| | | | | |
|--------|-----|---|-----------|-----|
| DLL | 1 | A Q S L S F S F T K F D P N Q E D L I F Q G I A T S | - - - - - | 26 |
| PvFRIL | 1 | A Q S L S F N F T K F D I D Q K D L I F Q G D A T S | T N N - | 29 |
| PHA-E | 1 | A S Q T I S F S F Q R E N - - E T N L I I L Q R D A T V S S K G | - | 28 |
| DLL | 27 | - - - - - K L D S A G N P V S S S A G R V L Y S A P L R L W | - | 51 |
| PvFRIL | 30 | V L Q L T K L D S G G N P V G A S V G R V I F S A P F H L W | - | 59 |
| PHA-E | 29 | Q L R I T N V N D N G E P T L S S I L G R A F Y S A P I Q I M | - | 58 |
| DLL | 52 | E D S A V L T S F D P - - T I Y I I F T N Y T S R I I A D G I | - | 78 |
| PvFRIL | 60 | E N S M A V S S F E T N - L T I Q I S I P H P Y Y A A D G F | - | 88 |
| PHA-E | 59 | D N T T G A V A A S P T S F I F N I D V P N N S G P A D G I | - | 88 |
| DLL | 79 | A F I A P P - D S V I S Y H - - G G F L G L F P N A A E S G | - | 105 |
| PvFRIL | 89 | A F F L A P H D T V I P P N S W G K F L G L Y S N V F R N S | - | 118 |
| PHA-E | 89 | A F V I L P V G S Q P K D K - - G G I I G L E N N Y K Y D S | - | 116 |
| DLL | 106 | I A E S N - - - - - - - - - - V V A V E F D T D Y I L N P D | - | 124 |
| PvFRIL | 119 | P I S E N Q S F G D V N T D S R V V A V E F D T - - F P N A | - | 146 |
| PHA-E | 117 | N A H - - - - - - - - - - T V A V E F D T - - I Y N V | - | 131 |
| DLL | 125 | Y G D P N Y I I H I G I D V N S I R S K V T A S W D W Q N G K | - | 154 |
| PvFRIL | 147 | N I D P N Y R H I G I D V N S I K S K E T A R M E W Q N G K | - | 176 |
| PHA-E | 132 | H W D P K P R H I G I D V N S I K S I K I T T T W D F V K G E | - | 161 |
| DLL | 155 | I A T A H I S Y N S V S K R I S V T T Y Y P G R G K - P A T | - | 183 |
| PvFRIL | 177 | T A T A R I S Y N S A S K K S T V T T F Y P G M E V - V A L | - | 205 |
| PHA-E | 162 | N A E V L I I T Y D S S T K L I V A S L V Y P S L K T S F I V | - | 191 |
| DLL | 184 | S Y D I L E L H T V L P E W V R V G L S A S T G Q - - - N I E | - | 210 |
| PvFRIL | 206 | S H D V D L H A E L P E W V R V G L S A S T G E - - - E K Q | - | 232 |
| PHA-E | 192 | S D T V D L I K S V L P E W V I V G F T A T T G I T K G N V E | - | 221 |
| DLL | 211 | R [N T V H S W S F T S S L W T I N V A K V G - - - V A S I | - | 235 |
| PvFRIL | 233 | K N T I I S W S F T S S L K N N E V K E P K E D M Y I A N V | - | 262 |
| PHA-E | 222 | T T N D I I S W S F A S K L S D G T T S E A L N - - - L A N F | - | 248 |
| DLL | 236 | S G - - - - - - - - - - | - | 237 |
| PvFRIL | 263 | V R S Y T W I N D V L S Y I S N K | - | 279 |
| PHA-E | 249 | A L N Q I L - - - - - - - - | - | 254 |

Figure 24B

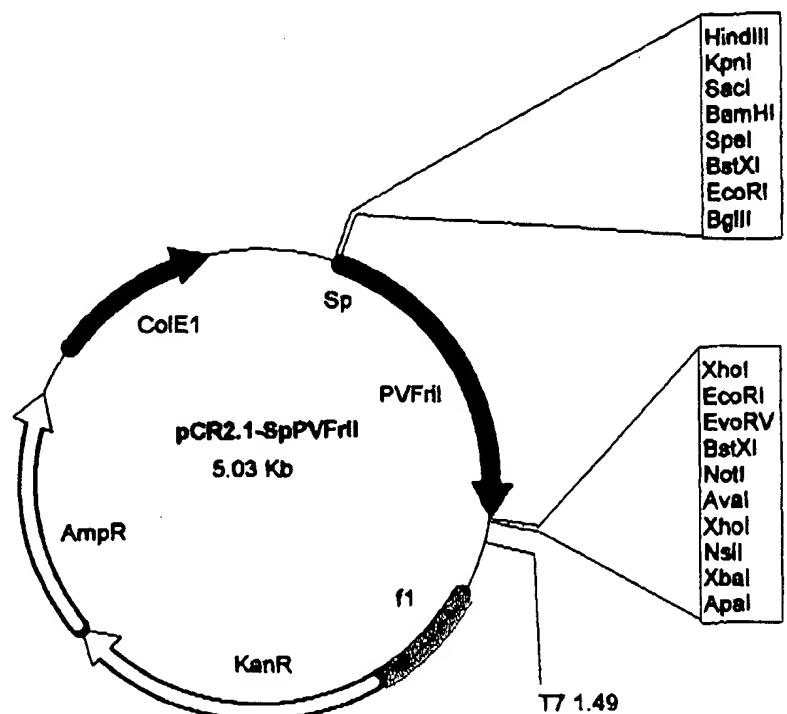


Figure 25

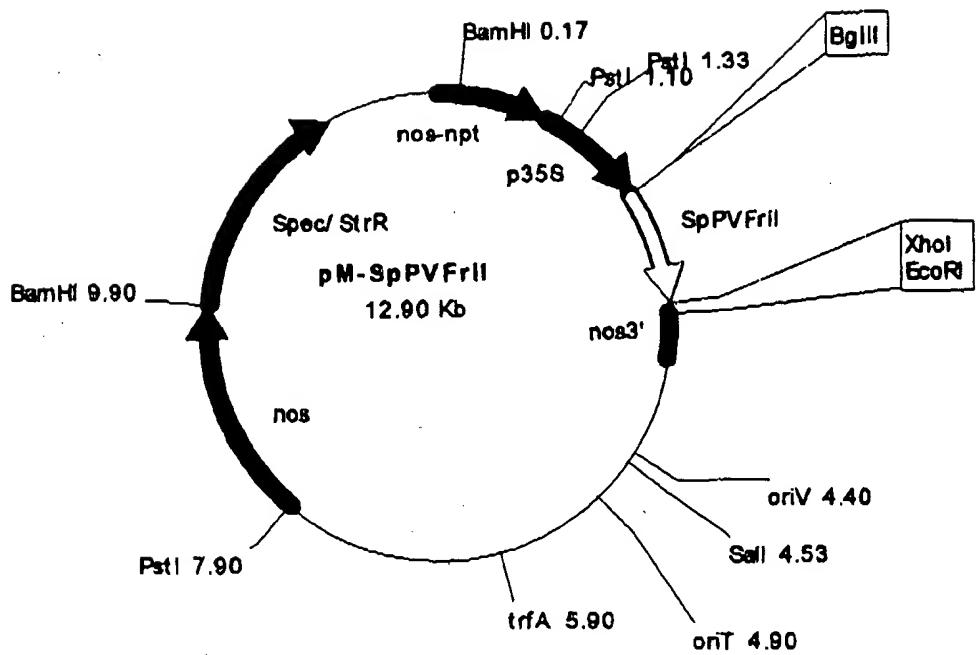


Figure 26

Figure 27A

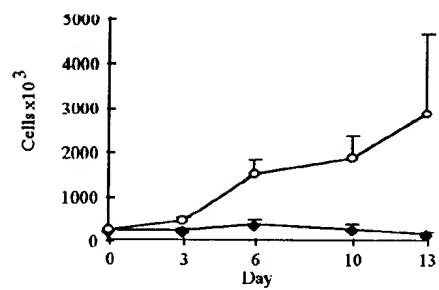


Figure 27B

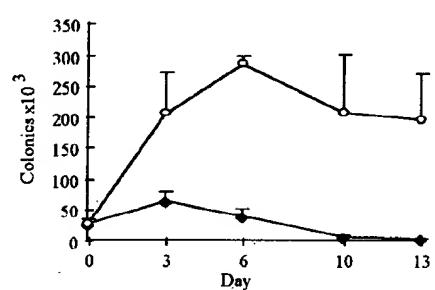


Figure 28A

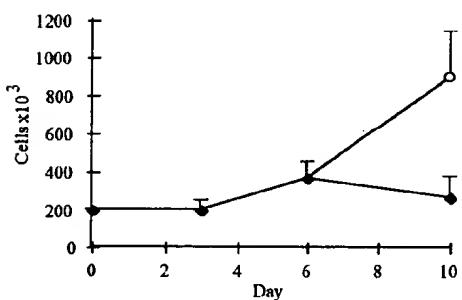


Figure 28B

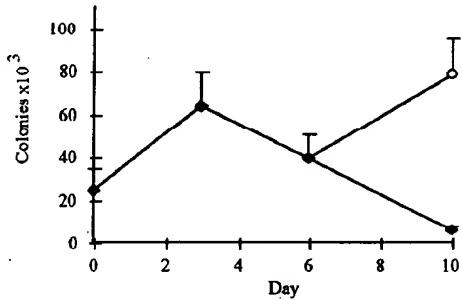


Figure 28C

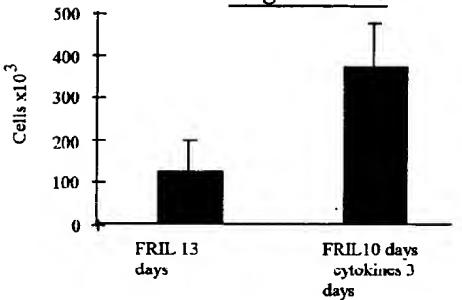
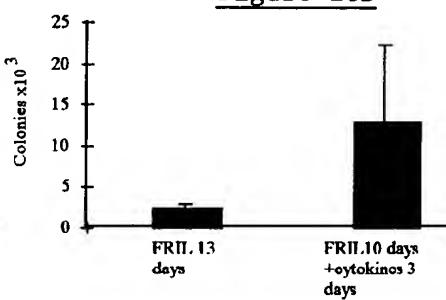
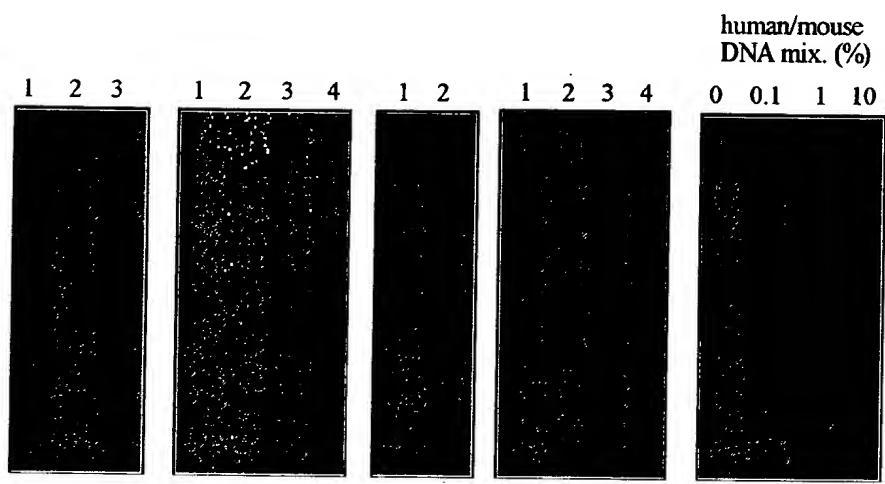


Figure 28D





Figures 29A - 29E

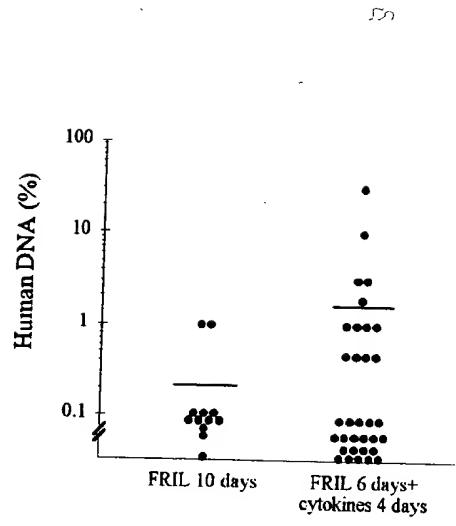


Figure 30

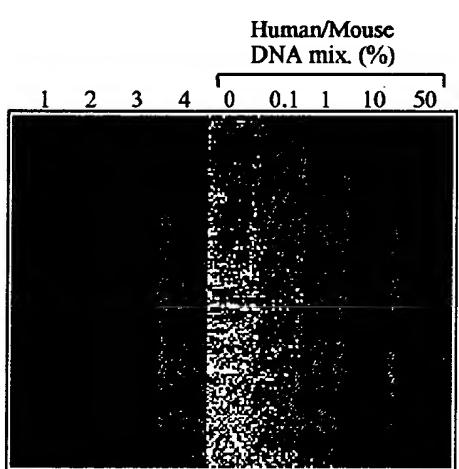


Figure 31

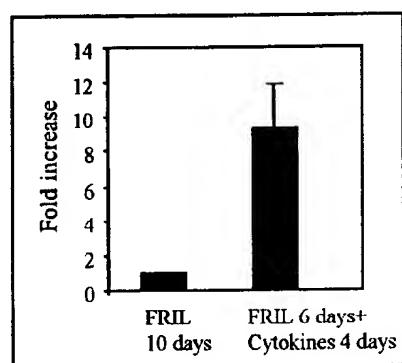


Figure 32

Figure 33A

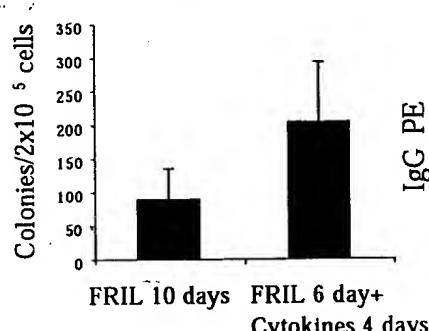


Figure 33B

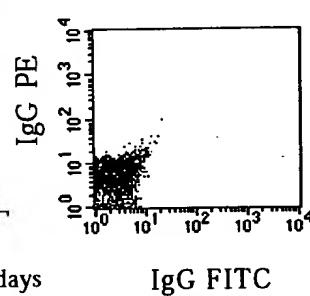


Figure 33C

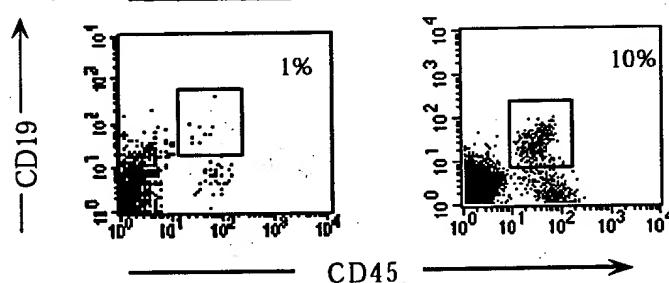


Figure 33D

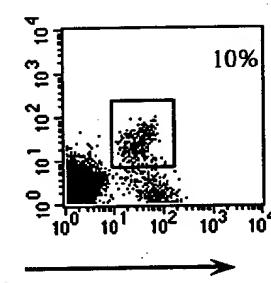


Figure 33 E

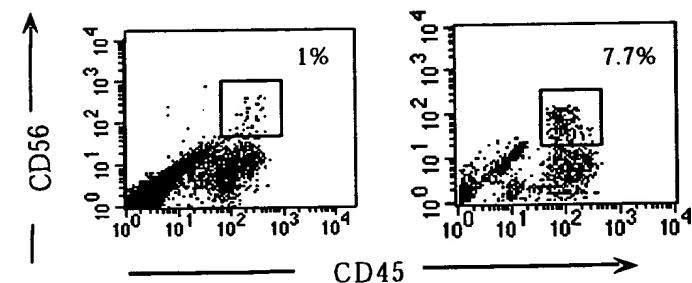
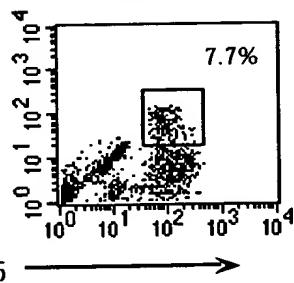


Figure 33F



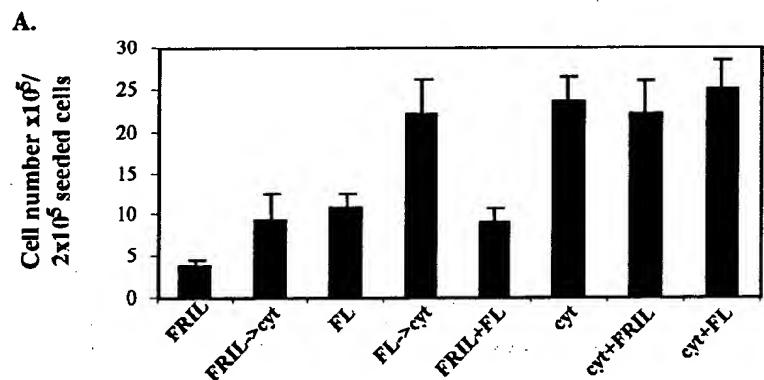


Figure 34A

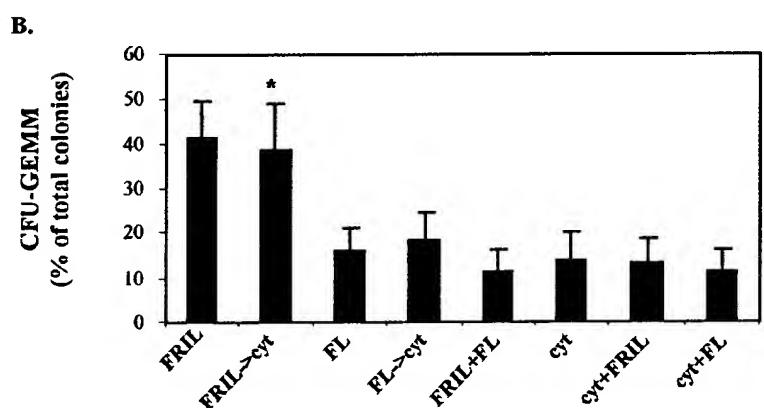


Figure 34B

Figure 35A

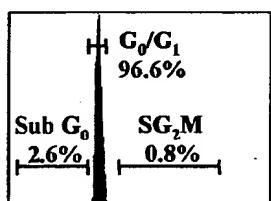


Figure 35B



Figure 35C

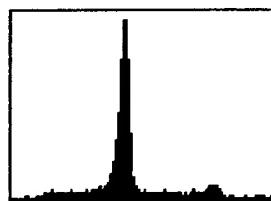


Figure 35D

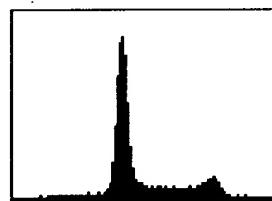


Figure 35E

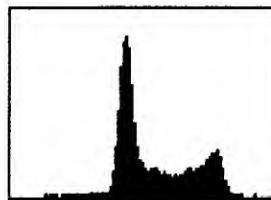


Figure 35F

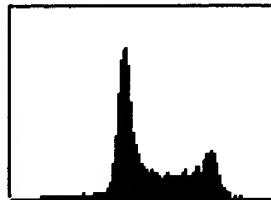


Figure 35G

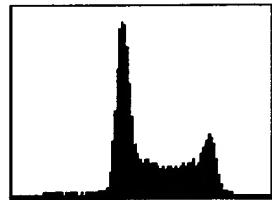


Figure 36A

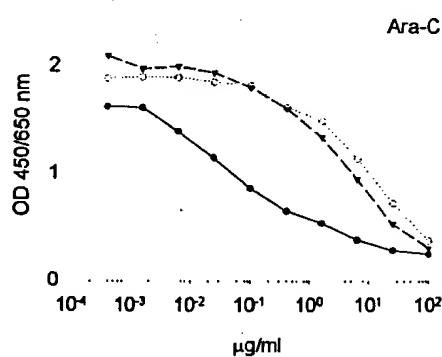


Figure 36B

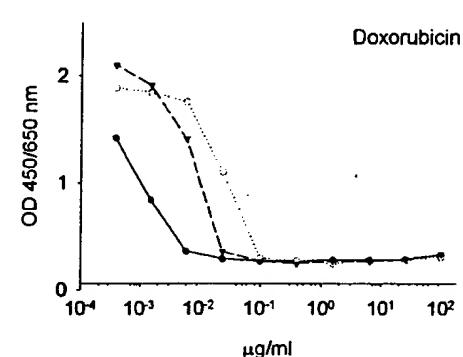
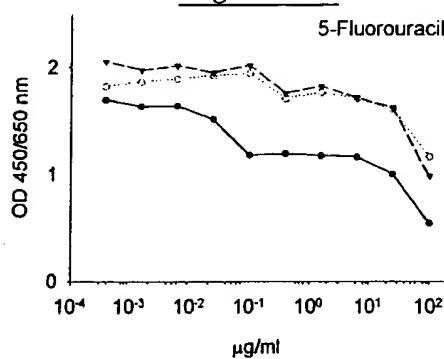
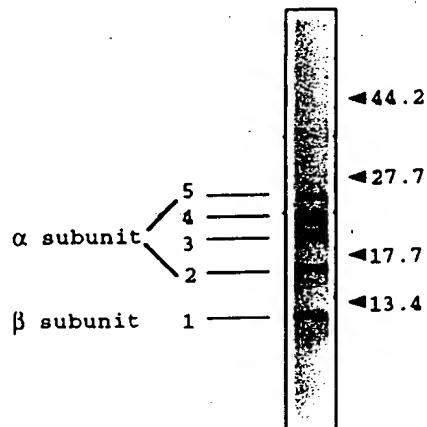


Figure 36C





Band 5 DSSTS EXQTT TKAAS SNVVA
 Band 4 DSSTS EXQTT TKA
 Band 3 DSSTS EXQTT TKAAS SNVVA
 Band 2 TT TKAAS SNVVA VEFKT YLN

 Band 1 AQSLSP PSPTK FDPNQ EDLIP QHATS TNNV

FIG. 1. Fractionation of purified hyacinth bean FRIL by SDS/PAGE and amino-terminal amino acid sequences of the constituent polypeptides.

Figure 37